

MAR 14 2005

FIG.1

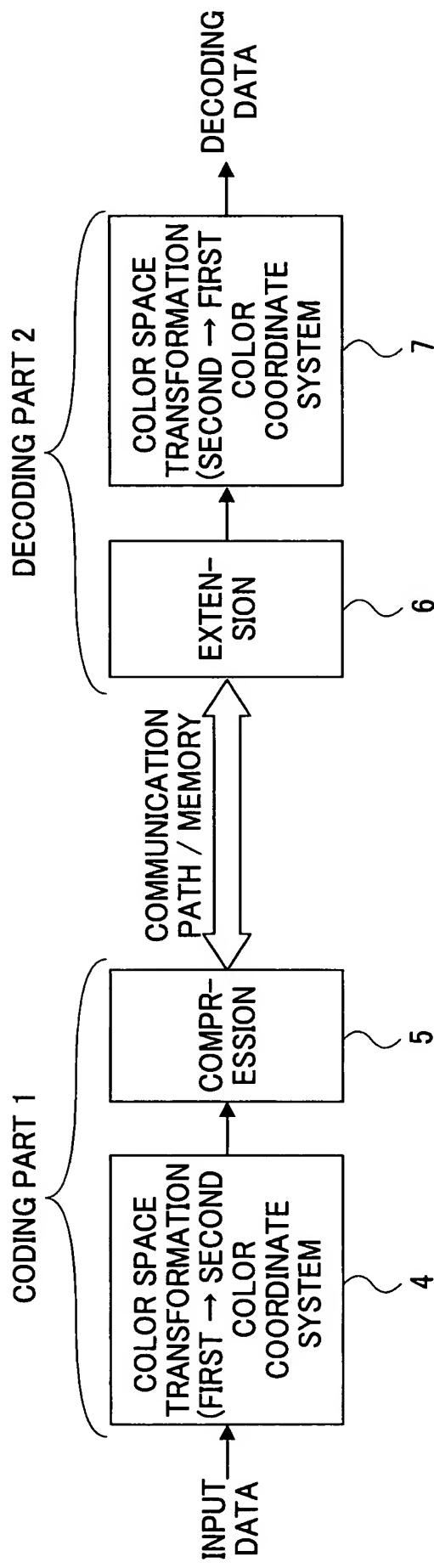
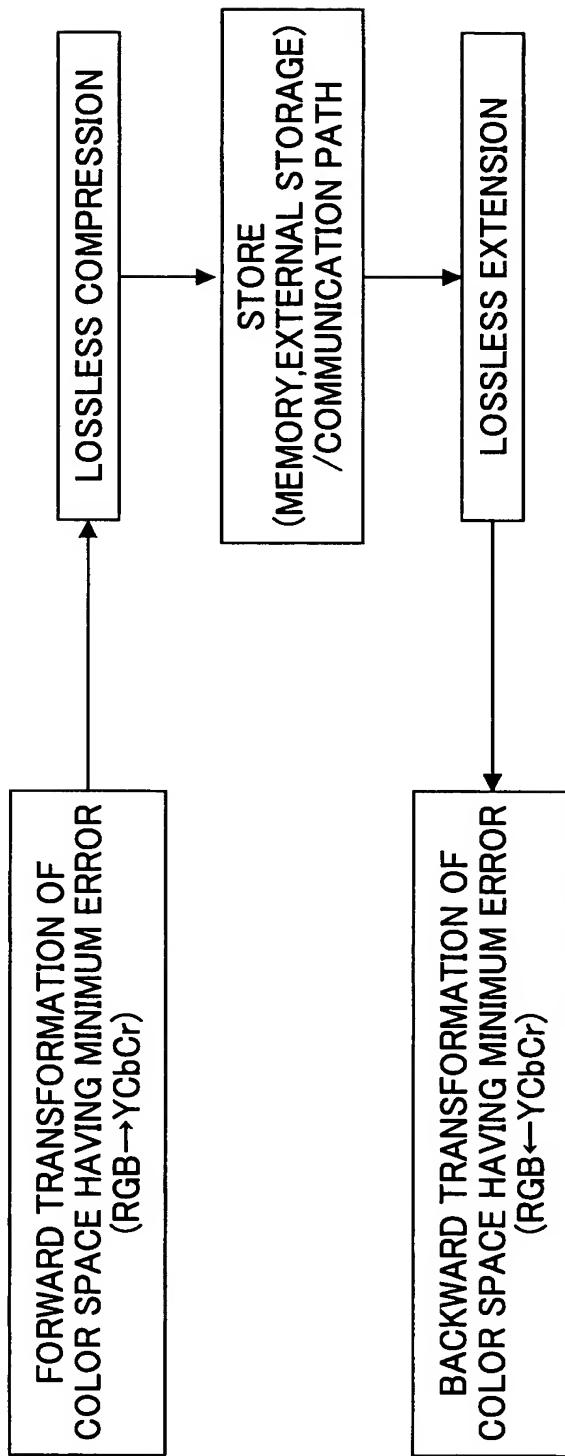


FIG.2



## FIG.3

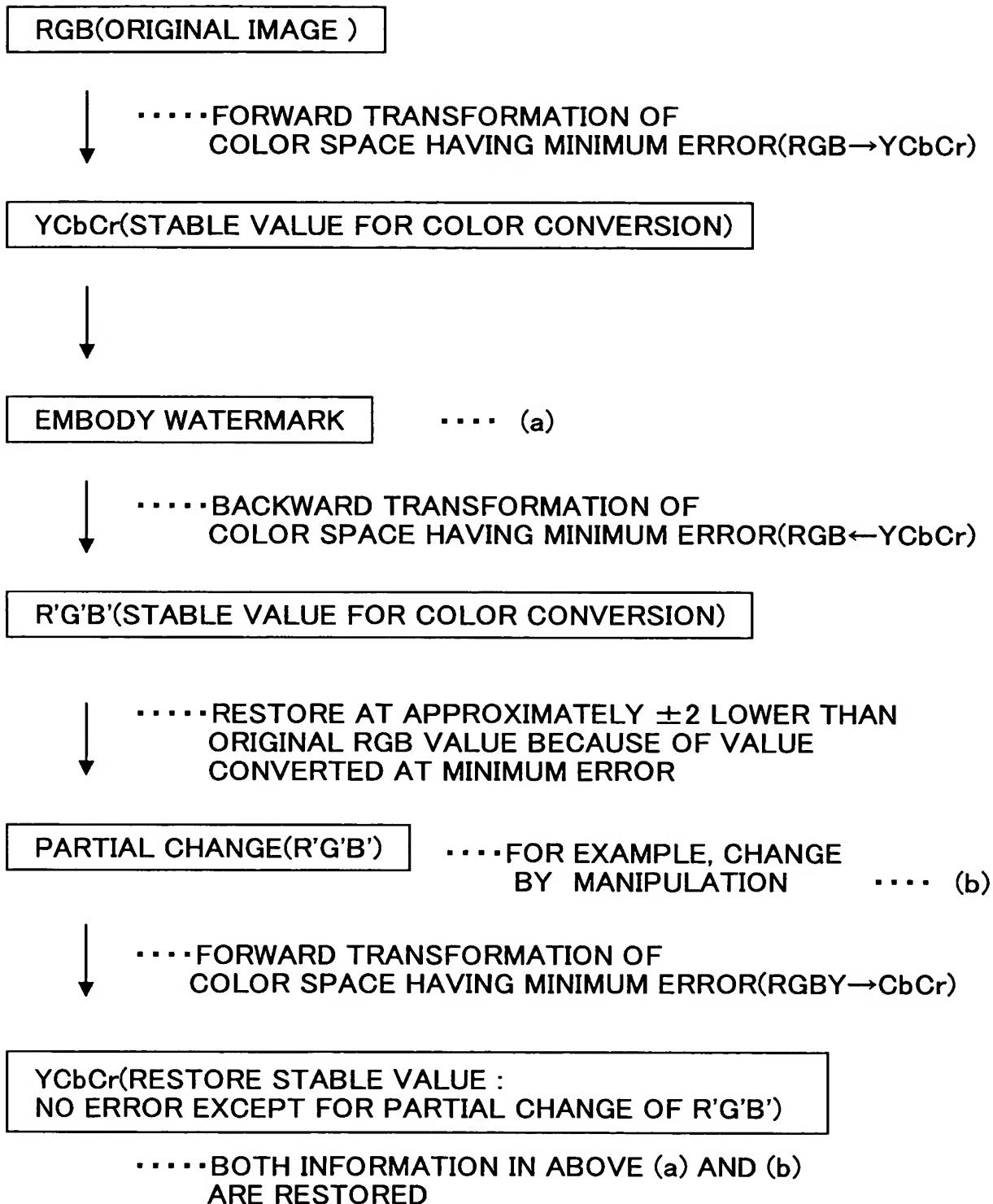
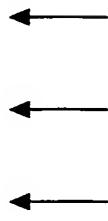


FIG.4

[ANALOG TYPE COLOR CONVERSION]

[ORIGINAL DATA]

R	G	B	
Y	Cr	Cb	
104	112	134	→
112	123	139	→

FIXED POINT  
OPERATION

R'	G'	B'	
104	112	134	→
103.7977	111.5352	133.9835	→

DEVELOP RESULTS OF AUTOMATIC CONVERSION  
TO RIGHT WHEN INPUT VALUE FROM 0 TO 255FIXED POINT  
OPERATION

Y'	Cr'	Cb'	
112	123	139	→
112.2879	122.9168	138.8421	→

FLOATING POINT  
OPERATION

Y'	Cr'	Cb'	
112	123	139	→
112.2879	122.9168	138.8421	→

FLOATING POINT  
OPERATION

R'	G'	B'	
103.7977	111.5352	133.9835	→
103.7977	111.5352	133.9835	→

RESTORE

# FIG.5

[DIGITAL TYPE COLOR CONVERSION USING ITU-R BT.601]

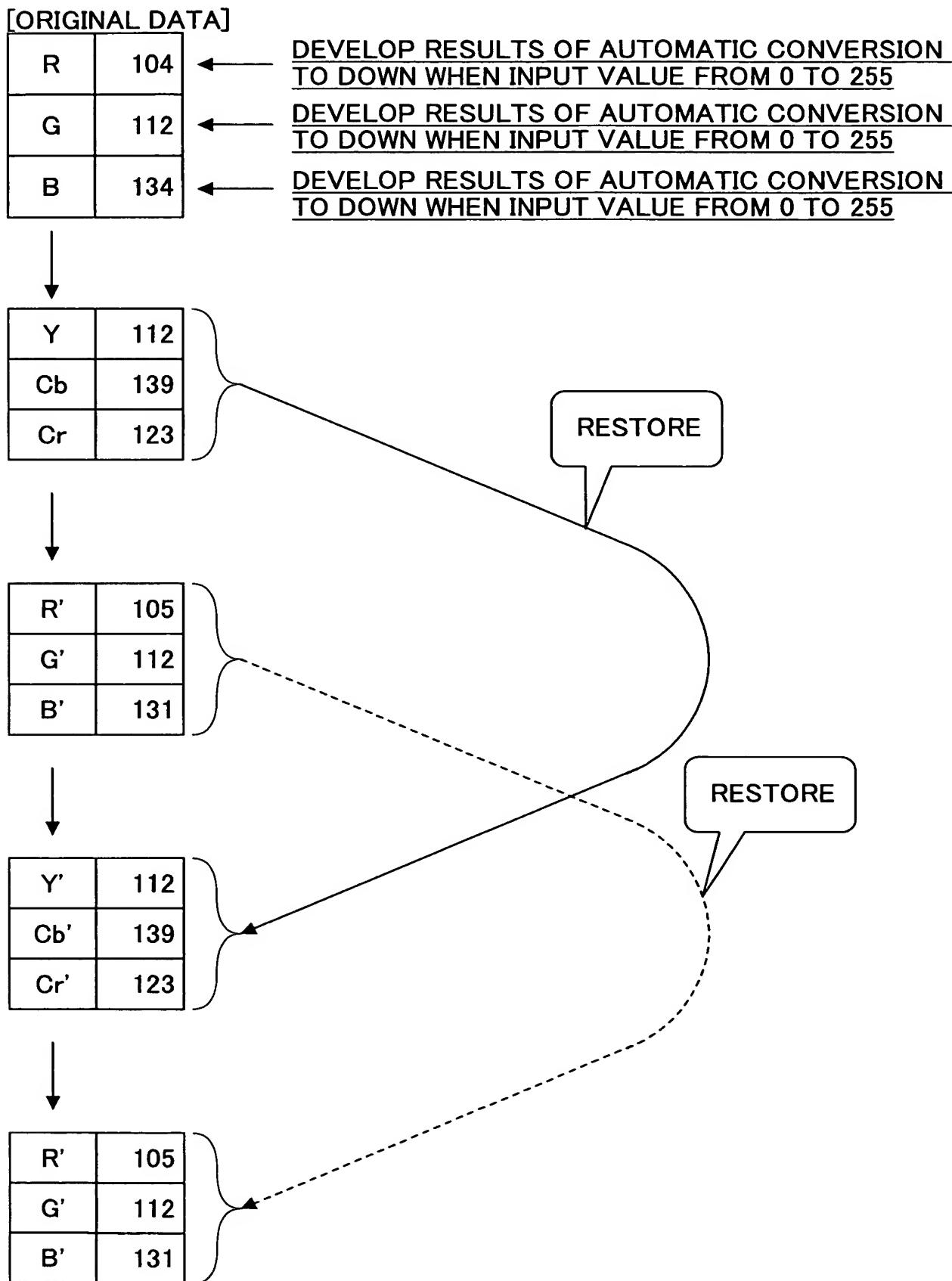


FIG.6

[REVERSIBLE TRANSFORMATION OF Y/Cb/Cr → R/G/B FOR MLC]

